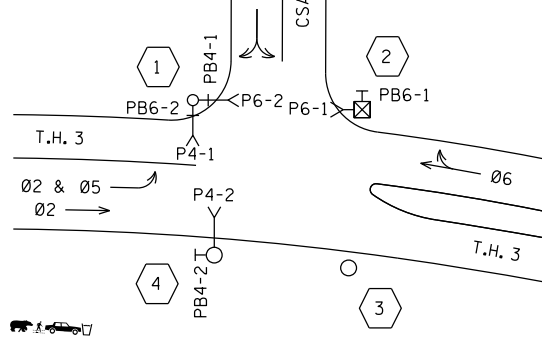


CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTON LAYOUT

NOTE: PEDESTRIAN PUSH BUTTONS ARE LOCATED AS SHOWN



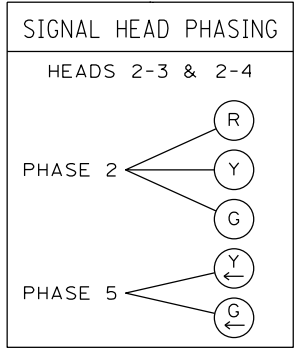
- (A) EQUIPMENT PAD**
 CONTROLLER CABINET AND CONTROLLER
 SERVICE CABINET
 CONTROLLER CABINET TO
 CONTROLLER CABINET TO
 HH 1 HH 12
 3" RSC 3" RSC
 2-12/C#12 4-12/C#12
 5-3/C#12 5-3/C#12
 4-2/C#14 3-2/C#14
 2-3/C#20 2-3/C#20
 CONTROLLER CABINET TO SERVICE CABINET
 2" RSC
 2-1/C#6
 1-1/C#6 INS. GR.
 SERVICE CABINET TO HH 13
 2" RSC
 3-1/C#2
 SERVICE CABINET TO HH 1
 2" RSC
 2-3/C#12 (LUM)
 STUBBED OUT OF CONTROLLER CABINET
 3" RSC (THREAD AND CAP BOTH ENDS)
 2" RSC (THREAD AND CAP BOTH ENDS)
 3/4" PVC (THREAD AND CAP BOTH ENDS)

- (B) SOP - 25' WOOD POLE**
 TRANSFORMER
 2" RSC RISER WITH WEATHERHEAD
 3-1/C#2
 2" RSC TO HH 13
 3-1/C#2

SIGNAL SYSTEM OPERATION
 -FLASH MODE SHALL BE ALL RED
 -NORMAL OPERATION SHALL BE FOUR (4) PHASE
 -PHASE 5 SHALL BE A PROTECTED/PERMISSIVE LEFT TURN
 -PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL

| PVC LOOP DETECTORS | | |
|--------------------|---------|-----------|
| NUMBER | SIZE | LOCATION |
| D2-1 | 6'X6' | 475' |
| D4-1 | 6'X6' | 180' |
| D4-2, D4-3 | 2-6'X6' | 32' |
| D4-4, D4-5 | 2-6'X6' | 15' |
| D5-1 | 2-6'X6' | 20' & 50' |
| D5-2 | 2-6'X6' | 5' & 35' |
| D6-1 | 6'X6' | 475' |

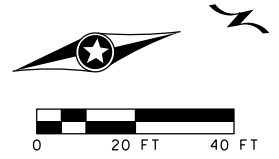
LOCATION = DISTANCE FROM CROSSWALK/STOP BAR TO FRONT OF DETECTOR



SIGNAL HEAD CHART

| FACE | R | Y | G | Y | G |
|----------|---|---|---|---|---|
| 2-1, 2-2 | ○ | ○ | ○ | | |
| 2-3, 2-4 | ○ | ○ | ○ | ← | ← |
| 4-1, 4-2 | ○ | ○ | ○ | | |
| 4-3, 4-4 | ○ | ← | ← | | |
| 6-1, 6-2 | ○ | ○ | ○ | | |

-ALL SIGNAL INDICATIONS ARE 12" LEDS
 -ALL SIGNAL FACES HAVE A BACKGROUND SHIELD

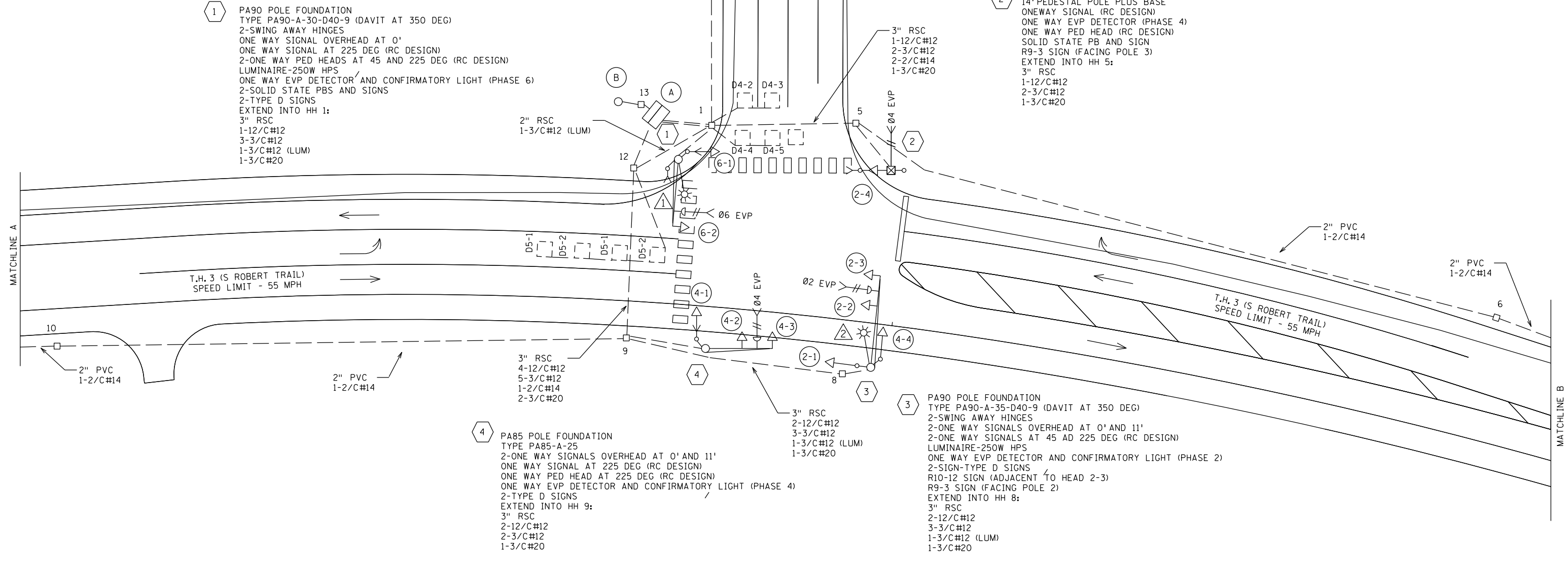


- (1) PA90 POLE FOUNDATION**
 TYPE PA90-A-30-D40-9 (DAVIT AT 350 DEG)
 2-SWING AWAY HINGES
 ONE WAY SIGNAL OVERHEAD AT 0'
 ONE WAY SIGNAL AT 225 DEG (RC DESIGN)
 2-ONE WAY PED HEADS AT 45 AND 225 DEG (RC DESIGN)
 LUMINAIRE-250W HPS
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 6)
 2-SOLID STATE PBS AND SIGNS
 2-TYPE D SIGNS
 EXTEND INTO HH 1:
 3" RSC
 1-12/C#12
 3-3/C#12
 1-3/C#12 (LUM)
 1-3/C#20

- (2) PEDESTAL FOUNDATION**
 14' PEDESTAL POLE PLUS BASE
 ONEWAY SIGNAL (RC DESIGN)
 ONE WAY EVP DETECTOR (PHASE 4)
 ONE WAY PED HEAD (RC DESIGN)
 SOLID STATE PB AND SIGN
 R9-3 SIGN (FACING POLE 3)
 EXTEND INTO HH 5:
 3" RSC
 1-12/C#12
 2-3/C#12
 1-3/C#20

- (4) PA85 POLE FOUNDATION**
 TYPE PA85-A-25
 2-ONE WAY SIGNALS OVERHEAD AT 0' AND 11'
 ONE WAY SIGNAL AT 225 DEG (RC DESIGN)
 ONE WAY PED HEAD AT 225 DEG (RC DESIGN)
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 4)
 2-TYPE D SIGNS
 EXTEND INTO HH 9:
 3" RSC
 2-12/C#12
 2-3/C#12
 1-3/C#20

- (3) PA90 POLE FOUNDATION**
 TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
 2-SWING AWAY HINGES
 2-ONE WAY SIGNALS OVERHEAD AT 0' AND 11'
 2-ONE WAY SIGNALS AT 45 AND 225 DEG (RC DESIGN)
 LUMINAIRE-250W HPS
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 2)
 2-SIGN-TYPE D SIGNS
 R10-12 SIGN (ADJACENT TO HEAD 2-3)
 R9-3 SIGN (FACING POLE 2)
 EXTEND INTO HH 8:
 3" RSC
 2-12/C#12
 3-3/C#12
 1-3/C#12 (LUM)
 1-3/C#20



| BY | DATE | REVISIONS |
|-----|----------|-------------------------|
| SJK | 12-16-05 | AS BUILT OF SP 1921-78 |
| CDB | 04-25-08 | ADDED LOOPS D4-4 & D4-5 |
| EJA | 08-13-15 | PLAN UPDATED |

SYSTEM ID: 38314 T.E.
 METER ADDRESS: 12500 125TH ST
 MASTER ID: T.E.

INTERSECTION LAYOUT
 TH 3 AT CSAH 38 (MCANDREWS RD)
 N JCT
 IN ROSEMOUNT, DAKOTA COUNTY

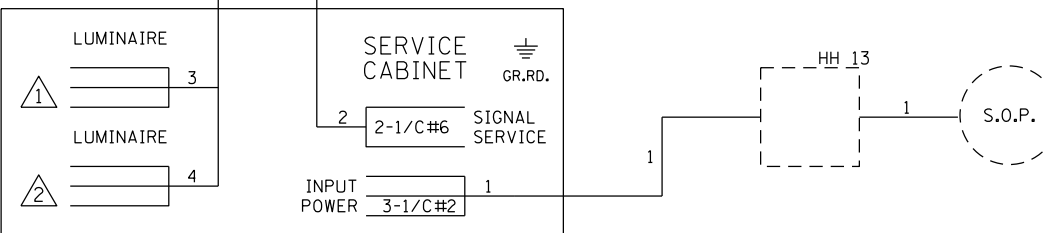
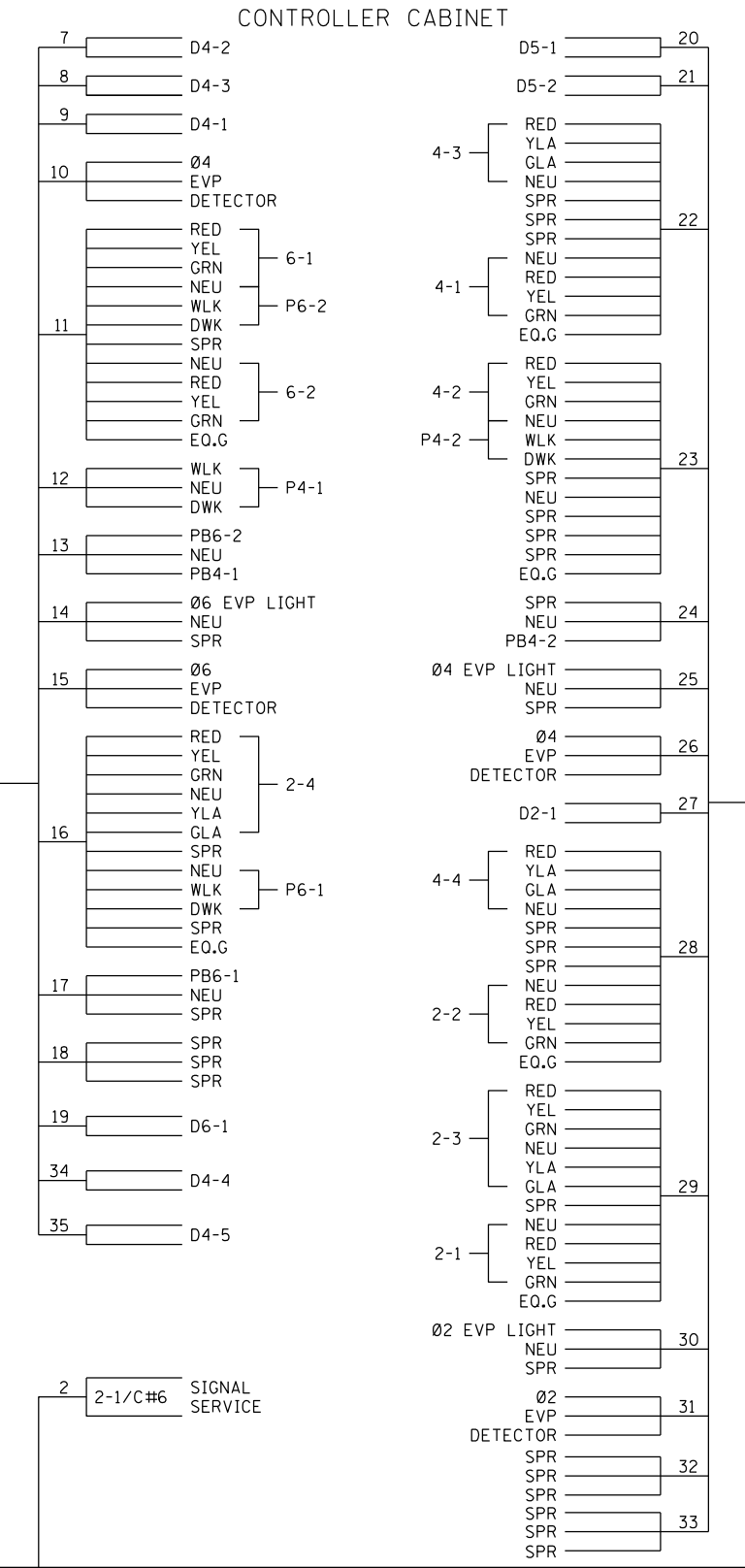
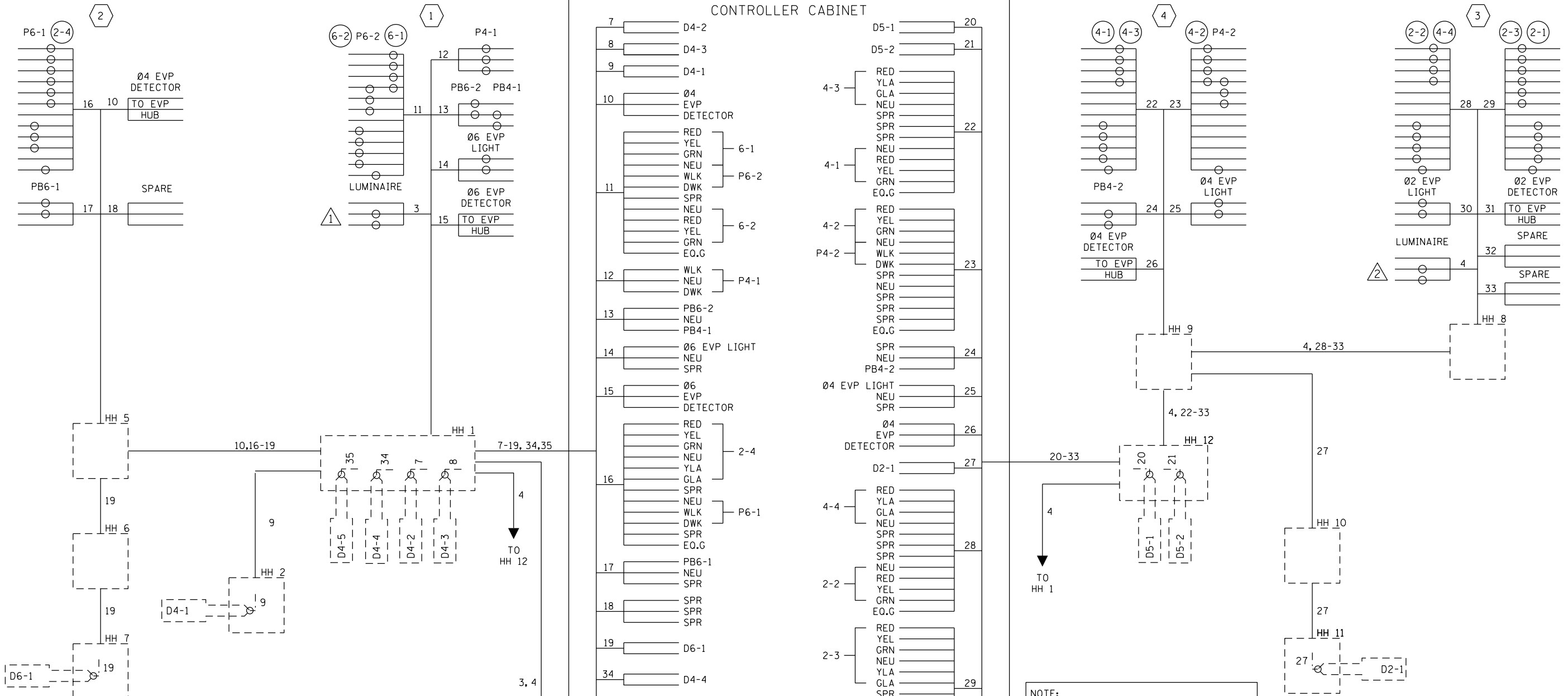
S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
 CERTIFIED BY: _____ LIC. NO. _____ DATE: _____
 STATE PROJ. NO. (T.H.3) SHEET NO. 1 OF 3 SHEETS

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

DISTRICT #: \$\$\$@DISTRICT@\$\$
 PLOT NAME: \$\$\$@PLOT\$NAME@\$\$\$
 PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

DISTRICT #: @@DISTRICT@
PLOT NAME: @@PLOT\$NAME@
PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$



CONDUCTOR COLOR CODING

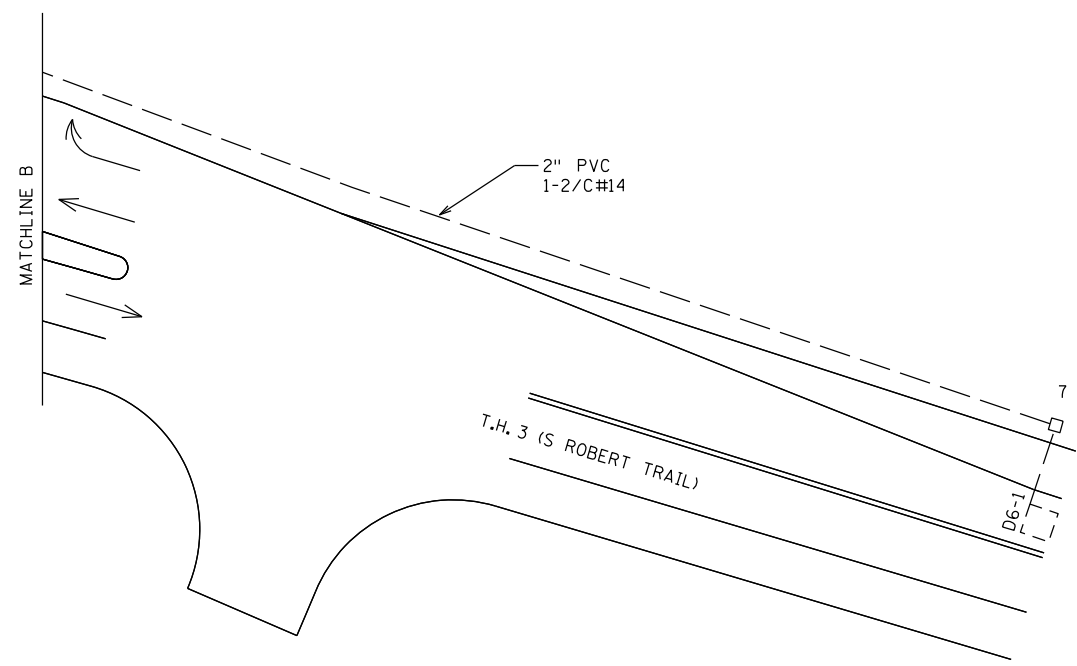
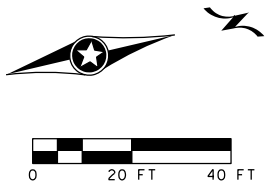
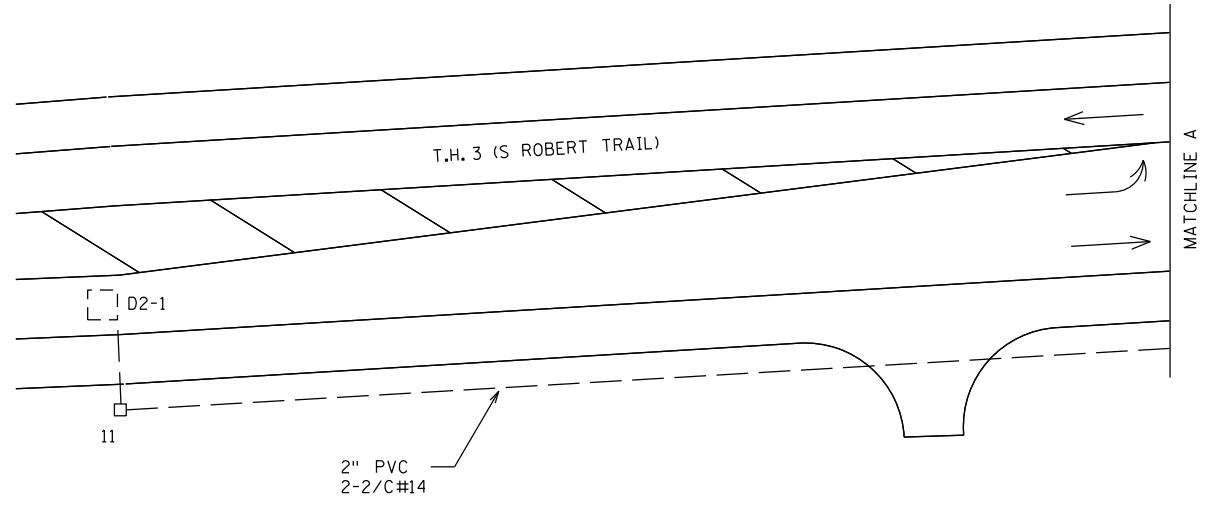
| | |
|--------|-----------|
| R | R |
| O | O |
| BL | BL |
| WH | WH |
| R/BLK | R OR O |
| O/BLK | WH OR YEL |
| BL/BLK | BLK OR BL |
| WH/BLK | |
| BLK | |
| BLK/WH | |
| G/BLK | |
| G | |
| | 2-1/C |
| R | |
| WH | 2/C#14 |
| BLK | BLK |
| | CLR |
| 6PR#19 | |

NOTE: ALL TERMINAL BLOCK CONNECTIONS ARE ARRANGED AS SPECIFIED ABOVE

NOTE: CABLES 5 AND 6 OMITTED INTENTIONALLY

| | | | | | | | | | |
|-----|----------|-------------------------|-------------------------------|------|-----------------------------------|----------------|-----------|-----------|---------------|
| BY | DATE | REVISIONS | SYSTEM ID: 38314 | T.E. | WIRING DIAGRAM | S.A.P. NO. | DRAWN BY: | CKD BY: | DATE: |
| SJK | 12-16-05 | AS BUILT OF SP 1921-78 | METER ADDRESS: 12500 125TH ST | | TH 3 AT CSAH 38 (MC ANDREWS ROAD) | CERTIFIED BY: | LIC. NO.: | DATE: | |
| CDB | 04-25-08 | ADDED LOOPS D4-4 & D4-5 | MASTER ID: | T.E. | N JCT | STATE PROJ.NO. | (T.H.3) | SHEET NO. | 3 OF 3 SHEETS |
| EJA | 08-13-15 | PLAN UPDATED | | | IN ROSEMOUNT, DAKOTA COUNTY | | | | |

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$



DISTRICT #: \$\$\$@DISTRICT@\$\$
 PLOT NAME: \$\$\$@PLOT\$NAME@\$\$
 PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$

| BY | DATE | REVISIONS |
|-----|----------|-------------------------|
| SJK | 12-16-05 | AS BUILT OF SP 1921-78 |
| CDB | 04-25-08 | ADDED LOOPS D4-4 & D4-5 |
| EJA | 08-13-15 | PLAN UPDATED |

SYSTEM ID: 38314 T.E.
 METER ADDRESS: 12500 125TH ST
 MASTER ID: T.E.

MATCHLINE LAYOUT
 TH 3 AT CSAH 38 (MC ANDREWS ROAD)
 N JCT
 IN ROSEMOUNT, DAKOTA COUNTY

S.A.P. NO.
 CERTIFIED BY _____ LIC. NO. _____ DATE: _____
 STATE PROJ. NO. (T.H. 3)

DRAWN BY: CKD BY: DATE:
 SHEET NO. 2 OF 3 SHEETS